

## **Abstract**

### **Title**

Sudden cardiac death in athletes in the Czech Republic and abroad

### **Objectives**

The primary aim of the diploma thesis is to collect data about sudden cardiac death in athletes in the Czech Republic and abroad. The next aim is to create summary about health care concerning athletes in Czech sporting environment. The final step is to recommend some approaches and advices to prevent the sudden cardiac death in athletes.

### **Methods**

The main method used diploma thesis is the analysis of documents, specifically the autopsy protocols providing professional information about sudden cardiac death in athletes in our country. Another method is questioning which allows to determine current state of athletic health in sports federations. The final method chosen for the diploma thesis is the interview which was arranged with football player Michal Meduna who survived a cardiac collapse during football match.

### **Results**

The author of the thesis has found that the biggest problem of health care in athletes is the implementation and quality of sports health examination. In many cases the defect, bad hearth condition or congenital heart defect was found as late as autopsy was performed. The results are some recommendations, procedures and steps to improve health care and prevent sudden cardiac death.

### **Keywords**

Sudden death, sport, heart, health care in athletes, sports health examination.